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DLA Piper Rudnick Gray Cary US LLP
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FAX TRANSMISSION COVER SHEET

June 6, 2006 of Correction

To:
CERTIFICATE OF CORRECTIONS
BRANCH

Telephone:

Fax Number:

Commissioner for Patents
Alexandria, VA 22313-1450

(571) 273-8300

From: Jon Y. Ikegami
Reg No. 51,115
650-833-2104

Client-Matter Number: 351991-991270
Was No.: 2102475-891270

Re: Issued U.S. Patent No. US 7,030,658 B2 Issued April 18, 2006
Title: SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS
Inventor(s): Murakami et al.

Pages: - 18 - (including this form) Originals: ☐ will be mailed ☒ will not be mailed
If there is a problem with this transmission, please call (area code) Jan Huss (650) 833-1569
Fax Operator/Ext.

Message:

Attached are the following documents to be made of record for the above-referenced matter:

1. Certificate of Facsimile Transmission Under 37 CFR 1.18 Cover Sheet (1 pg);
2. Transmittal Form (PTO/SB/21) (1 pg);
3. Fee Transmittal FY 2006 (1 pg + copy) with authorization to charge Deposit Account;
4. Request for Certificate of Correction Of A Patent For Applicant's Mistake (2 pgs. + copy);
5. Certificate of Correction PTO Form SB/44 (1 pg) (in triplicate);
6. Copy of Notice of Recordation of Assignment mailed 8-3-04 and Recordation Form Cover Sheet;
7. Copy of Notice of Recordation of Assignment mailed 8-26-04 and Recordation Form Cover Sheet; and
8. Certificate of Facsimile Transmission under 37 CFR 1.8 (1 pg.)

Certificate of Transmission by Facsimile

I hereby certify that this correspondence is being transmitted by facsimile to Fax No. (571) 273-8300 to:

The Certificate of Corrections Branch
Commissioner for Patents, Alexandria, VA 22313-1450 on:

June 6, 2006

Jan Huss

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(Form Rev. 6/5/00)

PA110480561.1

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Docket No. 351991-991270

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Hiroaki MURAKAMI et al.		
Serial No.	10/764,179	Group Art Unit:	2819
Filed:	January 23, 2004	Examiner:	CHANG, Daniel D.
Title:	SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS		

Certificate of Facsimile Transmission under 37 CFR 1.8

I hereby certify that the following correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Certificate of Corrections Branch at (571) 273-8300 on June 6, 2006:



Jan Huss

Attached are the following documents:

1. Fax Transmittal Cover Sheet to the PTO (1 pg);
2. Certificate of Facsimile Transmission under 37 CFR 1.8 (1 pg.);
3. Transmittal Form (PTO/SB/21) (1 pg);
4. Fee Transmittal FY 2006 (1 pg + copy) authorizing charge to Deposit Account;
5. Request for Certificate of Correction Of A Patent For Applicant's Mistake (2 pgs. + copy);
6. Certificate of Correction PTO Form SB/44 (1 pg in triplicate);
7. Copy of Notice of Recordation of Assignment mailed on 8-3-04 and Recordation Form Cover Sheet (3 pgs); and,
8. Copy of Notice of Recordation of Assignment mailed on 8-26-04 and Recordation Form Cover Sheet (3 pgs).

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JUN 06 2006


PTO/SB/21 (09-04)

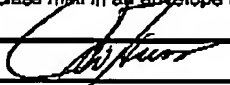
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/764,179	
	Filing Date	January 23, 2004	
	First Named Inventor	Hiroaki MURAKAMI et al.	
	Art Unit	2819	
	Examiner Name	Daniel D. Chang	
Total Number of Pages in This Submission	17	Attorney Docket Number	351991-991270 (Formerly 2102475)

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form (PTO/SB/17) (+1) <input checked="" type="checkbox"/> Authorization to Charge Deposit Account <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Request for Certificate of Correction (2 Pg) (+1); 2. Copy of Notice of Recordation and Recordation Form Cover Sheet mailed 8-3-04; 3. Copy of Notice of Recordation and Recordation Form Cover Sheet mailed 8-26-04; 4. Certificate of Correction PTO SB/44 (In triplicate); 5. Certificate of Facsimile Transmission.
Remarks The Commissioner is hereby authorized to charge the <i>Request for Certificate of Correction Fee</i> of \$100 and <i>Processing Fee</i> of \$130 and any fees which may be required, or credit any overpayment to Deposit Account No. 07-1896 as indicated on the enclosed Fee Transmittal form, which is being submitted in duplicate.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	DLA Piper Rudnick Gray Cary US LLP	
Signature		
Printed name	Jon Y. Ikegami	
Date	June 6, 2006	Reg. No. 51,115

CERTIFICATE OF FACSIMILE TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Signature		
Typed or printed name	Jan Huss	Date June 6, 2006

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351991-991270American LegalNet, Inc.
www.USCourtForms.com

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PTO/SB/17 (12-04v2)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

for FY 2006

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$230.00

Complete If Known

Application Number	10764,179
Filing Date	January 23, 2004
First Named Inventor	Hiroaki MURAKAMI et al.
Examiner Name	Daniel D. Chang
Art Unit	2819
Attorney Docket No.	351991-991270 (2102475)

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 07-1896 Deposit Account Name: DLA PIPER RUDNICK GRAY CARY US LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Small Entity Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims	Extra Claims	Fee (\$)
- 20 or HP = _____ x _____ = _____		
HP = highest number of total claims paid for, if greater than 20		
Indep. Claims	Extra Claims	Fee (\$)
- 3 or HP = _____ x _____ = _____		
HP = highest number of independent claims paid for, if greater than 3		

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 = _____	/50 = _____	(round up to a whole number) x _____	= _____	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Code 1811 1.20(a) Certificate of correction \$100 (Post Issuance Fee)

and Processing Fee (37 CFR 1.17(i) of \$130.00

230.00

SUBMITTED BY

Signature	Registration No. 51,115 (Attorney/Agent)	Telephone (650) 833-2104
Name (Print/Type) Hiroaki MURAKAMI		Date June 6, 2006

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS OFFICE.

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
for FY 2006☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$230.00)

Complete If Known

Application Number	10/764,179
Filing Date	January 23, 2004
First Named Inventor	Hiroaki MURAKAMI et al.
Examiner Name	Daniel D. Chang
Art Unit	2819
Attorney Docket No.	351991-991270 (2102475)

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):☒ Deposit Account Deposit Account Number: 07-1896 Deposit Account Name: DLA PIPER RUDNICK GRAY CARY US LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
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Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

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Fee Description	Small Entity Fee (\$)	Fee (\$)
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Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims		
- 20 or HP =	x	=
HP = highest number of total claims paid for, if greater than 20		
Indep. Claims		
- 3 or HP =	x	=
HP = highest number of independent claims paid for, if greater than 3		

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Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/50 =	(round up to a whole number) x		

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Non-English Specification, \$130 fee (no small entity discount)

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and Processing Fee (37 CFR 1.17(i) of \$130.00

230.00

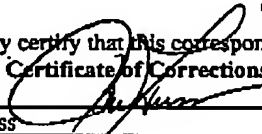
SUBMITTED BY

Signature	Registration No. 51,115 (Attorney/Agent)	Telephone (650) 833-2104
Name (Print/Type) Jon Y. Ikegami		Date June 6, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket No.: 351991-991270 (2102475)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of : Hiroaki MURAKAMI, et al.

Issued: April 18, 2006

Patent No: 7,030,658

Title: **SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS**

**REQUEST FOR CERTIFICATE OF CORRECTION OF A PATENT
FOR APPLICANT'S MISTAKE 37 CFR § 1.323**

Attn.: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached in triplicate is Form PTO/SB/44 (Certificate of Correction) with at least one copy being suitable for printing.

The errors occur as follows:

on the first page of the patent, line 73

(73) Assignee: **International Business Machines Corporation New York (USA)**
Kabushiki Kaisha Toshiba Tokyo (JP)

Enclosed for your reference is a copy of the Notice of Recordation of Assignment, dated August 3, 2004, and the accompanying Recordation Form Cover Sheet, assigning this matter to International Business Machines Corporation and Toshiba America Electronic. This assignment

PA\10460602.1
351991-991270

JUN 09 2006

Attorney Docket No.: 351991-991270 (2102475)

was recorded at reel/frame 014935/0352. Also enclosed is a copy of the Notice of Recordation of Assignment, dated August 26, 2004, whereas Toshiba America Electronic Components, Inc. assigned this application to Kabushiki Kaisha Toshiba. This assignment was recorded at reel/frame 015037/0460.

The name of assignee International Business Machines Corporation was omitted on the Issue Fee Transmittal in error.

Since the error appears to have been made by the Applicants, the Commissioner is hereby authorized to charge the \$100.00 fee and \$130.00 processing fee, and any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-1896. A duplicate copy of this communication is enclosed.

Please send the Certificate of Correction to:

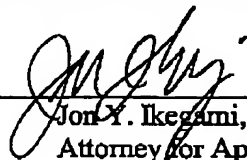
Ronald L. Yin, Esq.
DLA Piper Rudnick Gray Cary US LLP
2000 University Avenue
East Palo Alto, CA 94303-2248

Respectfully submitted,

DLA Piper Rudnick Gray Cary US LLP

Dated: June 6, 2006

By



Jon Y. Ikegami, Reg. No. 51,115
Attorney for Applicant

DLA Piper Rudnick Gray Cary US LLP
2000 University Avenue
East Palo Alto, CA 94303-2248
Phone: 650-833-22104
jon.ikegami@dlapiper.com

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Attorney Docket No.: 351991-991270 (2102475)

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Issued: April 18, 2006

Patent No: 7,030,658

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Attorney Docket No.: 351991-991270 (2102475)

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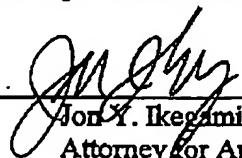
Ronald L. Yin, Esq.
DLA Piper Rudnick Gray Cary US LLP
2000 University Avenue
East Palo Alto, CA 94303-2248

Respectfully submitted,

DLA Piper Rudnick Gray Cary US LLP

Dated: June 6, 2006

By



Jon Y. Ikegami, Reg. No. 51,115
Attorney for Applicant

DLA Piper Rudnick Gray Cary US LLP
2000 University Avenue
East Palo Alto, CA 94303-2248
Phone: 650-833-22104
jon.ikegami@dlapiper.com

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351991-991270

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PTO/SB/44 (04-05)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : US 7,030,658 B2

APPLICATION NO.: 10/764,179

ISSUE DATE : April 18, 2006

INVENTOR(S) : Hiroaki Murakami, Austin, TX (US);
Osamu Takahashi, Round Rock, TX (US);
Jieming Qi, Austin, TX (US).

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(73) Assignee: International Business Machines Corporation New York (USA)
Kabushiki Kaisha Toshiba Tokyo (JP)

MAILING ADDRESS OF SENDER (Please do not use customer number below):

**DLA PIPER RUDNICK GRAY CARY US LLP
2000 University Avenue
East Palo Alto, CA 94303-9709**

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/44 (04-05)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Page 1 of 1

PATENT NO.: US 7,030,658 B2

APPLICATION NO.: 10/764,179

ISSUE DATE: April 18, 2006

INVENTOR(S): Hiroaki Murakami, Austin, TX (US);
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IRVINE, CALIFORNIA 92618-1811

SERIAL NUMBER: 10764179

FILING DATE: 01/23/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS

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